Date: Tue, 24 Aug 93 04:30:23 PDT
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>
Errors-To: Ham-Digital-Errors@UCSD.Edu
Reply-To: Ham-Digital@UCSD.Edu
Precedence: Bulk
Subject: Ham-Digital Digest V93 #18
To: Ham-Digital

Ham-Digital Digest Tue, 24 Aug 93 Volume 93 : Issue 18

Today's Topics:

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 23 Aug 1993 08:19:34 -0400
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!math.ohio-state.edu!magnus.acs.ohio-state.edu!magnus.acs.ohio-state.EDU!hcheyney@network.ucsd.edu
Subject: Dumb Terminal hates RF
To: ham-digital@ucsd.edu

RF from my HF rig at some frequencies, 20m in particular causes my dumb terminal to lock up. I have to turn it off and back on to get it working again. This makes HF digital operation impossible on those bands. Ohter bands are ok. Disconnecting the keyboard and I/O cables doesn't prevent it but moving the terminal several feet away does cure it. There may be a little radiation from the ladder line feed line on the rig. I need to use this type feedline since I am using an "all band dipole" feed with a transmatch.

Any ideas?

Harold, N8OCM

Internet: Cheyney.1@osu.edu

Date: Mon, 23 Aug 1993 18:33:37 GMT
From: usc!howland.reston.ans.net!gatech!kd4nc!ke4zv!gary@network.ucsd.edu
Subject: Dumb Terminal hates RF
To: ham-digital@ucsd.edu

In article <CMM.0.90.4.746108313.hcheyney@magnus.acs.ohio-state.edu>
hcheyney@magnus.acs.ohio-state.EDU (Harold E Cheyney) writes:
>RF from my HF rig at some frequencies, 20m in particular causes my dumb
>terminal to lock up. I have to turn it off and back on to get it working
>again. This makes HF digital operation impossible on those bands. Ohter
>bands are ok. Disconnecting the keyboard and I/O cables doesn't prevent it
>but moving the terminal several feet away does cure it. There may be a little
>radiation from the ladder line feed line on the rig. I need to use this type
>feedline since I am using an "all band dipole" feed with a transmatch.
>
>Any ideas?

Do you change electrical outlets when you move the terminal?

It's most likely that the stray RF is getting in by way of the
power wiring. If running your terminal from a different outlet
helps, do it. You can also try winding the power cord around
a ferrite core.

Do you have a *good* RF ground at your transmatch on 20 meters?

Most "hot" chassis problems come from not having a low impedance
ground connection. Your "balanced" line shouldn't radiate, but
it may if it's unbalanced by passing too close to metallic objects.
Look at how you are routing cables in the hamshack. You should
avoid parallel runs. You may find that adding a counterpoise
wire for 20 meters will eliminate much of your problem.

Gary

--
Gary Coffman KE4ZV |"If 10% is good enough | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | for Jesus, it's good | uunet!rsiatl!ke4zv!gary
534 Shannon Way | enough for Uncle Sam."| emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | -Ray Stevens |

Date: 24 Aug 1993 02:13:39 -0700

From: techbook.com!techbook.com!not-for-mail@uunet.uu.net
Subject: Need APLINK
To: ham-digital@ucsd.edu

I am looking for the latest version of APLINK. Archie doesn't find it. Is there a site I can ftp it from?

Please reply to lbrunson@rodgers.rain.com

tnx. Lowell

--

Lowell Brunson - (packet radio: kc7dx@k7iqi.or.usa.na
Internet: lbrunson@rodgers.rain.com - or - lowell@techbook.com
  Public Access User --- Not affiliated with TECHbooks

Date: Mon, 23 Aug 1993 18:21:00 GMT
From: yeshua.opl.com!charnel!rat!zeus!tuba.calpoly.edu!hhallika@uunet.uu.net
Subject: PK90 Numeric Link States?
To: ham-digital@ucsd.edu

I'm working on a project that uses the AEA PK90 in host mode. The PK90 responds to a CO command with a numeric link state (among other things). From the manual, page 6-8, the first returned parameter is the link state -1, e.g., S05 is sent as $34. So, what are the various numeric link states? I can't find them in the manual. So far, it looks like a returned $34 is CONNECTED. What other states are there?

Thanks!

Harold

Date: 23 Aug 1993 22:47:31 GMT
From: munnari.oz.au!metro!sequoia!drsmith@uunet.uu.net
Subject: TNC-2 Debug Help Needed
To: ham-digital@ucsd.edu

Now I cant get digital or analog loopback to work. I am at WITT's END.

I have replaced the z80-cpu, z80sio, State MAchine (u5 and u6), u10(clock inverter) and some other parts,,

The lights now light up correctly (U10 and the CPU were dead by the way)

The loopback lights work how they should.... (no connect or DCD)
I have the paramaters

```
my vk2tds
frack 1
retry 0
full on
c vk2tds
```

The TXD data appears to be going out (It looks like 10000000100000001000000 on my 5MHz cro) and the signal appears how I think it should at JMP-10

There is a signal getting through to SIO pins 12 and 13

Can anyone offer any help please? IS there any way to do a digital loopback any other way - e.g. Jmp11 to j4 pin 13?

I am at a loss. Please help...

Thanks

Darryl Smith
cadet Electrical Engineer
vk2tds
Australia

End of Ham-Digital Digest V93 #18
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